

THE ARKANSAS COMMISSION OF PUBLIC SCHOOL ACADEMIC FACILITIES
AND TRANSPORTATION
PROPOSED RULES GOVERNING THE ACADEMIC EQUIPMENT PROGRAM
AND MANUAL

1.0 Regulatory Authority

- 1.01 These rules shall be known as the Arkansas Division of Academic Facilities and Transportation Rule Governing the Academic Equipment Program and Manual.
- 1.02 This rule is promulgated pursuant to Ark. Code Ann. § 6-21-801 et seq., and Ark. Code Ann. § 6-20-2505.

2.0 Definitions

- 2.01 Unattached academic equipment item means any instrument, machine, apparatus, or set of articles that meets all of the following criteria:
 - (1) It retains its original shape, appearance and/or character with use;
 - (2) It does not lose its identity through fabrication or incorporation into a different or more complex substance;
 - (3) It is nonexpendable; that is, if the item is damaged or some of its parts are lost or worn out, it is more feasible to repair the item than to replace it with an entirely new unit;
 - (4) Under normal conditions of use, including reasonable care and maintenance, it can be expected to serve its principal purpose for at least two (2) years.
- 2.02 Wealth index means a percentage derived from the following computations:
 - (1) Determine the value of one (1) mill per student in each school district as follows:
 - (a) Multiply the value of one (1) mill by the total assessed valuation of taxable real, personal, and utility property in the school district as shown by the applicable county assessment for the most recent year; and

- (b) Divide the product from (1)(a) above by the greater of the prior year average daily membership of the school district or the prior three-year average of the school district's average daily membership;
 - (2) Determine student millage rankings by listing the computation under (1) above of this section for each school district from students with the lowest value per mill to students with the highest value per mill;
 - (3) Allocate the student millage rankings into percentiles with the first percentile containing the one percent (1%) of students with the lowest value per mill and the one-hundredth percentile containing the one percent (1%) of students with the highest value per mill; and
 - (4) Divide the value of one (1) mill per student in each school district as computed under (1) above by the amount corresponding to the ninety-fifth percentile of the student millage rankings under (3) above.
 - (5) The percentage derived from the computation under (4) above is the academic facilities wealth index for a school district, which shall be computed annually and used to determine the amount of the school district's share of financial participation in a local academic facilities project eligible for state financial participation under priorities established by the Division of Public School Academic Facilities and Transportation.
- 2.03 Unattached Academic Equipment Manual means the guidelines of standards incorporated in and attached to this Rule as Exhibit A. These standards reflect the actual unattached academic equipment requirements that each school district shall conform to per instructional area in accordance with Section 7 of this Rule.
- 2.04 Instructional area means those areas of instructions as identified in Exhibit A.
- 3.0 Application for State Financial Participation
 - 3.01 A school district may apply for state financial participation to support the purchase of academic equipment if:
 - 3.01.01 The school district's application is received by the division no later than July 1, 2005;

- 3.01.02 The need for the academic equipment was in existence on January 1, 2005; and
- 3.01.03 The academic equipment supports an adequate education as described in Ark. Code Ann. § 6-20-2302.
- 3.02 As part of its application for state financial participation under this Rule, a school district shall provide the division with evidence of:
 - 3.02.01 The need for the academic equipment;
 - 3.02.02 The estimated cost of the academic equipment; and
 - 3.02.03 Any additional information determined by the division to be necessary to evaluate the school district's application.
- 3.03 The division shall evaluate a school district's application and notify the school district of the division's decision on the application and, if applicable, the amount of state financial participation. The division shall base its decision on several factors, including, without limitation:
 - 3.03.01 The nature of and need for the academic equipment;
 - 3.03.02 Consistency with current academic equipment standards and sound educational practices;
 - 3.03.03 The academic facilities wealth index of the school district; and
 - 3.03.04 The prudent and resourceful expenditure of state funds with regard to public school academic facilities and equipment.
- 3.04 If a school district qualifies for state financial participation under this Rule, the division shall certify the amount of state financial participation to the Commission on Public School Academic Facilities and Transportation for oversight purposes. The commission shall certify the amount to the Department of Education for payment.

4.0 Accounting for Funds

For tracking purposes, the school district shall account for the funds received as state financial participation under this Rule as restricted funds and shall account

for the funds in accordance with provisions of law, including, without limitation, Ark. Code Ann. § 6-20-2201 et seq. and any other rules established by the State Board of Education and the commission.

5.0 Purchase of Equipment Shall Conform to Current Academic Standards

Every effort shall be made to conform the purchase of academic equipment to current academic equipment standards and sound educational practices, unless in the judgment of the division it is impractical to conform the purchase to current standards.

6.0 State participation will be conditioned upon availability of state funds.

7.0 Necessity of Items as Required in Manual

7.01 It is not always necessary for each piece of equipment to be present in every classroom, laboratory, and media center or guidance office every hour of every day.

7.02 It is essential, however, that every school district has an ample number of equipment items so that teachers, media specialists, and counselors can have the equipment available when needed.

7.03 The actual number of equipment items needed will vary according to the size of the district, the size and grade configuration of the schools within the district, the number of course offerings and programs available, and the enrollment in the courses and programs.

7.04 Each district shall be required to comply with standards in the Unattached Academic Equipment Manual

8.0 Accountability/Inventory Process

8.01 An accountability process is hereby established to ensure that the equipment needed is present in all Arkansas schools.

8.02 By January 1, 2005 a complete list of the needed equipment will be made available to each school district in the State.

8.03 The equipment already available in each school district will be reported to the Arkansas Department of Education as follows:

Science Areas and Mathematics Area
Library Media Center
English/Language Arts, Foreign Language and Social Studies
Health Education and Physical Education
Art and Music
Guidance and Health Services

- 8.04 In the school year following each required date of the submittal of the equipment available in each district, the ADE shall review to determine compliance

EXHIBIT A

UNATTACHED ACADEMIC EQUIPMENT

Page(s)	Program
1-2	Art-1-6
3-6	Art 7-12
7-9	English/Language Arts
10	Foreign Language
11	Guidance
12	Health Education
13-14	Library Media Center
15	Mathematics
16	Music
17	Physical Education
18	Physical Education (Adaptive)
19	Social Studies
20-21	Science -K-3
22-23	Science -4th Grade
24-25	Science -5th -6th Grade
26-27	Science -Secondary (Life Science)
28-29	Science -Secondary (Earth Science)
30-32	Science -Secondary (Physical Science)
33-34	Science -Secondary (Biology)
35-36	Science -Secondary (Chemistry)
37-41	Science -Secondary (Physics)
42-43	Health Services

ART
1-6

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Storage Cabinet	1	For supplies and used by students during class time. Lockable, adjustable shelves, inside dimension at least 12" deep to store 12"x18" — paper. Inside dimensions of at least 18" deep to store 18"x24" paper. Additional deep cabinets to store larger materials.
2	Storage Cabinets		For student work in progress and adequate for number of students using room. Some open shelving to allow drying, lockable, adjustable shelves.
3	Storage Cabinet	1	For equipment used by students during class time. Lockable, adjustable shelves.
4	Storage Cabinet	1	For combustible materials. Fireproof, lockable.
5	Bookshelf	1	For reference and resource materials.
6	Trash Containers	3	Large capacity, on wheels.
7	Liquid Soap Dispenser	1	
8	Paper Towel Dispenser	1	
9	Paper Cutter	1	Minimum 24" x 24" with safety features.
10	Drying Racks for Student Artwork	1	Can be counter top or floor model capable of storing one days worth of work.
11	Paper Rack	1	Counter top or wall mounted for rolls of paper & as needed for chosen size of paper.
12	Electric Paper Drill or 3-Hole Punch	1	
13	Tape Dispenser	3	For different types of tape, i.e. transparent, masking, paper.
14	Low-temp Trigger-fed Glue Gun	1	
15	Computer System	1	With s video plug. High-quality video monitor. Expandable memory, flash drive, high-speed internet connection.
16	Jet Printer	1	
17	Scanner	1	
18	Digital Camera	1	
19	Television	1	32" minimum with s video plug, mounted on safety cart or permanently installed.
20	DVD Player	1	
21	VCR	1	Adequate supply of videos and DVDs on appropriate levels of instruction: art techniques, art history.

22	Student Worktables		Group or individual tables, preferably student easel-top tables, lightweight enough to move but sturdy enough to provide a stable work surface. Be of solid surfacing which is waterproof, paint proof and resist scratching.
			Height appropriate for size of students.
23	Chairs/stools	1 per student	Be of a waterproof and easy to clean surface, be adjustable or appropriate size for the students.
24	Easels	1 per student	If easel top tables were not selected as student worktables, easels will be needed for raised work. May be tabletop or floor type
25	Clay Bin	1	Rustproof, leak-proof, airtight and moveable.
26	Portable Clay Storage Cart	1	
27	Cabinet	1	One for storing dry clay and one for keeping damp clay.
28	Damp Cupboard	1	Airtight, metal-lined with adjustable noncorrosive, wire-mesh shelving or metal trays lined with plaster of Paris.
29	Kiln	1	Recommended safety features of kiln sitter and timer, shelves and supporting post (furniture) for inside the kiln.
30	Desk -Teacher	1	
31	Chair -Teacher	1	
32	Lockable File Cabinet		For teacher's use.
33	Computer with Internet Connection	1	

ART

7-12

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Storage Cabinet	1	For supplies and used by students during class time. Lockable, adjustable shelves, inside dimension at least 12" deep to store 12"x18—paper, Inside dimensions of at least 18" deep to store 18"x24" paper, additional deep cabinets to store larger materials.
2	Storage Cabinet	1	For student work in progress. Some open shelving to allow drying, lockable, adjustable shelves.
3	Storage Cabinet	1	For equipment used by students during class time. Lockable, adjustable shelves.

4	Fireproof Cabinet	1	For combustible materials. Fireproof, lockable. Vertical racks for storage of paintings, mounted artwork, portfolios, flat files, etc.
5	Bookshelves	2	For reference and resource materials.
6	Refrigerator	1	Small for film and paper mache' pulp storage.
7	Trash Containers	3	Large capacity on wheels.
8	Liquid Soap Dispenser	1 per sink	
9	Paper Towel Dispenser	1 per sink	
10	Paper Cutter	1	With safety features, minimum 30" x 30".
11	Drying Racks		For student artwork. Can be counter top or floor model capable of storing one day's worth of work.
12	Paper Racks	1	Counter top or wall mounted for rolls of paper-as needed for chosen size of paper.
13	Electric Paper Drill or 3 Hole Puncher	1	
14	Shrink-wrap Machine	1	
15	Teacher Desk	1	
16	Teacher Chair	1	
17	File Cabinet	1	Lockable.
18	Computer	1	With internet connection
19	Lockable Cabinet	1	Teacher
20	Computer System	1	With s video plug and USB ports, high speed with 80 gig hard drives and 512 SDRAM. High quality video monitor, with expandable memory, flash drive, with high speed Internet connection, digital projector, laser mouse and CF card readers.
21	Laser Jet Printer	1	Capable of producing photo quality color prints with ample supply of ink cartages.
22	Flat Bed Scanner	1	
23	Digital Video Camera	1	
24	Television	1	With s video plug, 32" minimum and mounted on safety cart or permanently installed.
25	DVD Player	1	
26	VCR	1	
27	Slide Projector w/screen	1	
28	Opaque Projector	1	
29	Overhead Projector	1	

30	Student Worktables	1 per student	Individual tables or preferably student easel top tables, appropriate size to fit students. Be lightweight enough to move but sturdy enough to provide a stable work surface. Be of solid surfacing which is waterproof, paint proof and resist scratching.
31	Chair/Stool	1 per student	Be of a waterproof and easy to clean surface. Be appropriate size for the students.
32	Easel	1 per student	If easel top tables were not selected as student worktables, easels will be needed for raised work. They may be tabletop or floor type appropriate to the student's size.
33	Step Stool and/or Ladder	1	For teachers use.
34	Model Platform	1	
35	Equipment Cart to Transport Supplies	1	
36	Drill	1 each	Manual with an assortment of bits. Electric with an assortment of bits.
37	Clay Bins	1	Rustproof, leak-proof, airtight and moveable.
38	Portable Clay Storage Cart	1	
39	Cabinets	2	One for storing dry clay and one for keeping damp clay. Damp cabinet, which is airtight, metal-lined, has adjustable non-corrosive, wire-mesh shelving or metal trays lined with plaster of Paris.
40	Potter's Wheel	1	Electric, variable speed.
41	Electric Kiln	1	Specific volt that must be matched to existing voltage and amps in the existing electrical system. Shelves and supporting post furniture for inside the kiln including star stilts. Ventilation system vented to the outside of building.

ENGLISH/LANGUAGE ARTS

K-4

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair æ Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Tape Player/Recorders		For books on tape.
5	Listening Centers		
6	LCD Projector	1	
7	Audio Pen	1	

8	Overhead Projector	1	
9	Big Book Easel	1	
10	Laptop Computer	1	
11	Color Printer	1	
12	Digital Camera	1	
13	Copy Machine	1	One per 10 classroom teachers.
14	Digital Video Camera		ACCESS to a camera.
15	Book Binder		ACCESS to a binder.
16	CD Player	1	
17	DVD Player	1	
18	Microphone and Amplifiers	1	
19	Amplifying System with Lapel Microphone	1	
20	Individual Magnetic Boards and White Boards		
21	Reading Table	1	Small group table.
22	Video Monitor/TV	1	Super video capability.
23	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
24	Document Camera/Projection System		ACCESS to this equipment.
25	Student Computers		With internet access.
26	Computer & Teacher	1	With internet access.
27	Computer Flatbed Scanner		ACCESS to scanner.
28	Classroom Library Furniture		
29	File Cabinet	1	Lockable
30	Laminator		ACCESS to laminator.

ENGLISH/LANGUAGE ARTS

5-8

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair & Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Lectern	1	Adjustable.
5	Tape Player/Recorders		For books on tape.
6	Listening Centers		
7	LCD Projector	1	
8	Audio Pen	1	

9	Overhead Projector	1	
10	Laptop Computer	1	
11	Color Printer	1	
12	Digital Camera	1	
13	Copy Machine	1	One per 10 classroom teachers.
14	Digital Video Camera		ACCESS to a camera.
15	Book Binder		ACCESS to a binder.
16	CD Player	1	
17	DVD Player	1	
18	Amplifying System with Lapel Microphone	1	
19	Reading Table	1	Small group or individual.
20	Video Monitor/TV	1	Super video capability.
21	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
22	Document Camera/Projection System		ACCESS to this equipment.
23	Student Computers		With internet access.
24	Computer & Teacher	1	With internet access.
25	Computer Flatbed Scanner		ACCESS to scanner.
26	Classroom Library Furniture		
27	File Cabinet	1	Lockable.
28	Laminator		ACCESS to laminator.

ENGLISH/LANGUAGE ARTS
9-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desks or Tables and Chairs		Appropriate to accommodate range of student sizes.
2	Desk and Chair & Teacher	1 each	Large, durable.
3	Book Shelves		Open shelves and shelves for locked storage.
4	Lectern	1	Adjustable
5	Tape Player/Recorders	1	For books on tape.
6	LCD Projector	1	
7	Overhead Projector	1	
8	Laptop Computer	1	
9	Color Printer	1	
10	Digital Camera	1	
11	Copy Machine	1	ACCESS. One per 10 classroom teachers.

12	Digital Video Camera		ACCESS. One per 10 classroom teachers.
13	Book Binder		ACCESS to a binder.
14	CD Player	1	
15	DVD Player	1	
16	Amplifying System with Lapel Microphone	1	
17	Video Monitor/TV	1	Super video capability.
18	Video Editing Equipment or Digital Programs		ACCESS to this equipment.
19	Document Camera/Projection System		ACCESS to this equipment.
20	Student Computers		With internet access.
21	Computer & Teacher	1	With internet access.
22	Computer Flatbed Scanner		ACCESS to scanner.
23	Classroom Library Furniture		
24	File Cabinet	1	Lockable.
25	Laminator		ACCESS to laminator.

FOREIGN LANGUAGE
K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Overhead Projector	1	With screen, with cart
2	Cassette Player	1	With CD player/recorder
3	Television	1	27" minimum with AV hook-up
4	VCR/DVD Player	1	
5	Compatible headphones	1 set	Where appropriate
6	Averkey or Data Projector or Smart Board	1	
7	Computer system	1	
8	Color Printer	1	
9	Video Camera	1	
10	Digital Camera	1	
11	Teacher Desk and Chair	1	
12	Copy Machine	1	FREQUENT ACCESS
13	Laminator	1	FREQUENT ACCESS

GUIDANCE K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Phone Line	1	Private line for counselor's confidential calls.
2	Desk and Chair	1 each	For Counselor.
3	Visitor Chairs	3	Counselor's office.
4	Computer	1	Counselor's office.
5	Printer	1	Counselor's office.
6	Copier	1	Counselor's office.
7	Scanner	1	Counselor's office.
8	Fax Machine	1	Counselor's office.
9	File Cabinet	1	Lockable. Counselor's office.
10	Paper Shredder	1	Counselor's office.
11	Clock	1	For timed activities -counselor's office.
12	Display Shelving		Counselor's office.
13	Storage Cabinet	1	Lockable for testing materials and programs - Counselor's office.
14	Digital Camera	1	Counselor's office.
15	Mirror	1	Full length. For counselor's office.
16	Paper Cutter	1	ACCESS to a paper cutter æ counselor's office.
17	Laminator	1	ACCESS to a laminator æ counselor's office.
18	Student Table	1	For group room.
19	Chairs	4-6	For group room.
20	TV, VCR, DVD	1	On moveable cart. For group room.
21	CD & Cassette Tape Player	1	For group room.
22	Presentation System	1	Including scan converter, SMART Board, PowerPoint, and overhead for group room.
23	Projection Screen	1	For group room.
24	Computer	1	For student use in career planning, research, portfolio and other student activities For group room.
25	Display Shelving		For group room.
26	Chairs	4-6	For reception area.
27	Display racks		For reception area.
28	Computers	2	For students' use in reception area.

HEALTH EDUCATION K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	TV & DVD/VCR	1	
2	Overhead Projector	1	
3	CPR Manikins	1	
4	Instructional Kits	1 each	Nutrition, HIV, suicide prevention, drug education, communicable disease, first aid, pregnancy prevention (empathy belly).
5	Stadiometer	1	
6	Calibrated Scales	1	
7	Skinfold calipers	1	
8	Physical Models	1	Teeth, muscles, body organs, bones.
9	Storage Files	1	

LIBRARY MEDIA CENTER K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Computer	1	With automation software.
2	Barcode Scanner	1	
3	Receipt Printer	1	
4	Laser Printer	1	Networked access within library.
5	Circulation Desk	1	Age/height appropriate and electrical access.
6	Inventory Scanner	1	Portable.
7	Chair or Stool	1	
8	Book Trucks	3	
9	Chairs		Age/size appropriate.
10	Tables		3' x 5', age/size appropriate.
11	Atlas/Dictionary Stands	2	
12	Periodical/Newspaper Shelving	2	
13	Leisure Reading Chairs		
14	Shelving (Free-standing or Mobile Adjustable of Appropriate Height)		42" for elementary, 60" for middle, 72" for high school. Easy book shelving 12" deep x 30-42" high divided with partitions 7" apart.
15	Catalog Stations	1 per 150 students	Online (OPAC).

16	Computers	3 per 100 students	Networked, available for general use & internet, online database, research, multi-media reports.
17	Computer	1	Library administrative.
18	Laser Printer	1	Networked access within library.
19	Color Printer	1	Access within library.
20	Desk	1	Executive.
21	Chair	1	Executive.
22	Telephone	1	Cordless.
23	File Cabinet	1	4-drawer.
24	Paper Shredder	1	
25	Fax Machine	1	
26	Laminator	1	Available per building.
27	Copier	1	
28	Letter Die Cutter	1	Within the district.
29	Paper Cutter	1	
30	Stools/Chairs		For workroom/production area.
31	Computer	1	Processing, for workroom/production area.
32	Camera	1 per 200 users	Digital, minimum of two.
33	Movie Camera	Minimum of 1	Digital.
34	Directional Microphone	1	
35	Tripod	1	
36	Flatbed scanner	1	

37	Poster Machine	1 per district	
38	Art Waxer	1 per district	
39	Dubbing Station	1	With minimum 13" TV.
40	Computer	1	Multimedia with recordable portable storage and duplication. For workroom.
41	Binding Machine	1	ACCESS to a binding machine.
42	Shelving		Adjustable of appropriate depth/height for equipment storage room.
43	Cabinets		For software/print/non-print storage.
44	Multimedia Projector	1	For library use.
45	Multimedia Projector	1	Portable with laptop for checkout.
46	Interactive Whiteboard	1 per library	
47	Screen	2	Large, one for library and one for checkout.
48	Overhead Projector	2 per library	
49	Scan Converter	Minimum of 2	For checkout.

50	TV/VCR/DVD	Minimum of 2	27" minimum w/front AV input, s video capabilities.
51	Cassette/CD Player	3	Portable.
52	AV Carts		With safety features (number and height appropriate for variety of uses).
53	Document Camera	Minimum of 1	
54	Lectern	1	Portable, with microphone.
55	Listening Station	1 per 100 students	Network computer with printer access (with CD/DVD and handset). Chairs for appropriate age/size, headphones, cassette/CD players, access to electrical outlets.
56	Rocking Chair	1	Elementary School

MATHEMATICS

K-12

Item Number	Item Name	# per Classroom	Specifications & Descriptions
1	Student Furniture	1 per student	Age appropriate, flat surfaces, some adjustability for special students (obese, handicapped, left handed)
2	Teacher Work Area	1	With large, appropriate desk and chair and computer with internet access and maintained upgraded software.
3	Furniture	1	On rollers for projection equipment and specialized technology.
4	Storage Cabinet	1	Accessible for manipulatives and equipment.
5	Shelving		For books, resources and special project library.
6	Hand-held Technology	1 per student	Level appropriate (keyboards, calculators, collection devices, etc.)
7	Technology Devices		Enhance calculator usage and textbook supported materials. (Infocus/projection system, appropriate calculator projection systems, CD player, DVD player, software, laser disk, Avery Key cassette.
8			ACCESS to computer, copy machine, printer, and fax
9	Manipulative		Level appropriate manipulatives for each student, large teacher-use manipulatives for board or projection use.

MUSIC K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Student Chair	1 per student	Designed for music classes
2	Tables and Desks		
3	Computer	1	Printer
4	Storage/Filing Cabinets	2	
5	TV	1	With VCR/DVD
6	LCD	1	Projector and screen
7	Metronome	1	
8	Music Stands	1 per student	
9	Piano	1	Acoustic or Electronic
10	Sound Equipment	1	For recording and playback
11	Musical Instrument Digital Interface (MIDI) Equipment	1	
12	Repair and Maintenance Equipment Kit	1	
13	Instruments		Of sufficient quantity and variety for every class offered.
14	Elementary Instruments		Recorder, Rhythm, Orff
15	Special Education Modification Equipment	1	
16	Portable Choral Risers		
17	Uniforms		Choral
18	Secondary Instruments		Of sufficient quantity and variety for every course offered. (Provisions are made for students who are unable to purchase an instrument due to financial hardship, possibly using —Play it Again Arkansas“ as a resource.)
19	Podium	1	
20	Tuning Devices		
21	Uniforms		Instrumental

PHYSICAL EDUCATION K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Sound System	1	Stationary or portable æ CD and cassette.

2	Sit and Reach Boxes		1 box per 30 students.
3	Step Platform		For aerobics. 1 platform per 10 students.
4	Agility Ladder for Floor		1 ladder per 10 students.
5	Cones		Various sizes æ 10“-12“ and 10“-18“.
6	Jump Ropes		Long and Short. Long (1 per 4 students) and short (1 per student).
7	Trampolines		1 per 5 students (mini) and 1 large per P.E. building.
8	Tennis Rackets		1 per student.
9	Badminton Paddles		1 per student.
10	Standards for Holding Nets		1 pair per court for volleyball, badminton, tennis.
11	Ball Inflator		1 per building
12	Weights		Free weights and machine weights.
13	Safety Equipment (shin guards, knee pads, eye wear, helmets)		For all sports.
14	Heart Rate Monitors, Pedometers, Stop Watches, Fitness Software		1 monitor per student and 1 pedometer per student.
15	Washer		1 per building.
16	Dryer		1 per building.
17	Track and Field Equipment		Relay batons, hurdles.
18	Hurdles for Elementary		1 per 5 students.
19	Indoor Hockey Equipment		
20	Tug-O-War Rope		1 per building.
21	Scales	1	Calibrated.

PHYSICAL EDUCATION K-12 (ADAPTIVE)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Weight Machine	1 per school	Adaptive, as needed.
2	Catch Vest	1 per student	As needed.
3	Grip Star Parachute	1 per student	As needed.
4	Pow-R-Stretch Band	1 per student	As needed.
5	Treadmill	1 per school	As needed.
6	Pulleys	1 set per school	As needed.

7	Exercise Bicycle	1 per student	As needed.
8	Tricycle	1 per student	Adaptive, as needed.
9	Ramps	1 set per school	As needed.
10	Scooter/Mega Scooter	1 per student	Adaptive, as needed.

SOCIAL STUDIES K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Desk & Teacher	1	
2	Chair & Desk	1	With wheels.
3	Filing Cabinet	1-2	With or without locks.
4	Storage Cabinet	1	With lock.
5	Shelves		Variations, depending on classroom size.
6	Student Desks	1 per student	Age appropriate.
7	Television	1	27" minimum, wall-mount or cart, cable or satellite.
8	DVD/VCR	1	Mounted with television.
9	Multi-media Cart	1	With an ELMO projector, laptop computer and an LCD projector.
10	Projection Screen	1	Wall-mounted; roll up.
11	Podium	1	
12	Copy Machine	1	Teacher access (for limited use).
13	Computer	1	Teacher
14	Printer	1	Teacher
15	Scanner	1	Teacher
16	CD/Tape Player	1	

SCIENCE K-3

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Eyewash System	1	
2	Fire Extinguisher	1	
3	Goggles	1 per student	And 1 per teacher

4	MSDS Binder	1	
5	Table or Desk	1 per student	With flat tops, not slanted
6	Aquarium/Animal Keeper	2	
7	Balances	1 per 4 students	Elementary.
8	Cart (Equipment)	1	
9	File Cabinet	1	4 drawer.
10	Hot Plate	1	
11	Laboratory Cart	1	
12	Magnets	1	Classroom demo set.
13	Magnifying Glass	1 per student	
14	Magnifier (Bug) Box	1 per student	
15	Calculator	1 per student	
16	Meter Stick	1 per 2 students	
17	Microscope	1 per 2 students	Handheld (i.e., Tasco, Magiscope)
18	Microscope Slides	1 set	Prepared of insect, hair, etc.
19	Microwave	1	
20	Mineral Sample Set	1	
21	Mirror	1 per 2 students	
22	Prism(Glass)	1 per 4 students	
23	Refrigerator	1	Dorm size.
24	Rock Sample Set	1	
25	Slinky	1 per 2 students	
26	Stethoscope	1 per 4 students	
27	Stopwatch	2	Digital.
28	Thermometer	1 per 2 students	
29	Thermometer	1	For classroom.
30	Thermometer Model	1	
31	Timer	1	Digital.
32	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
33	TV	1	32" minimum with S video.
34	VCR/DVD	1	

35	Overhead Projector and Large Wall Screen	1	
36	Flex Video Microscope	1	Flexcam with discovery scope kit.
37	Laptop Computer	1	
38	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
39	Color Printer		ACCESS
40	Internet		ACCESS
41	Projector (Computer)	1	
42	Access to Digital Camera and Video Camera	1	All equipment installed, on carts and/or mounted to walls as needed.

SCIENCE
4TH GRADE

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Eyewash System	1	
2	Fire Extinguisher	1	
3	Goggles	1 per student	And 1 per teacher.
4	MSDS Binder	1	
5	Table or Desk	1 per student	With flat tops, not slanted
6	Anemometer	1	
7	Aquarium/Animal Keeper	2	
8	Balances	1 per 2 students	Elementary pan.
9	Barometer	1	
10	Binoculars	1 per 2 students	
11	Calculator	1 per student	1 per teacher.
12	Compass	1 per 2 students	For direction.
13	Electric Circuit	1 per 2 students	Intro. Set.
14	File Cabinet	1	4-drawer.
15	Graph Marker Board	1	Large demonstration.
16	Graph Marker Board	1 per student	Individual size.
17	Hot Plate	2	
18	Laboratory Cart	1	
19	Microscope	1 per student	Handheld (i.e., Tasco, Magiscope)

20	Microwave	1	
21	Refrigerator	1	Dorm size.
22	Triple Beam Balance Scale	1	
23	Stethoscope	1 per 2 students	
24	Stopwatch	1 per 2 students	Digital.
25	Thermometer	1	For classroom.
26	Thermometer Model	1	
27	Timer	1	Digital.
28	Tuning Fork	1 per 3 students	128, 256, 512, cps.
29	Trundle Wheel	1 per 3 students	
30	Weather Vane	1	
31	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
32	TV	1	32" minimum with S video.
33	VCR/DVD	1	
34	Overhead Projector and Large Wall Screen	1	
35	Flex Video Microscope	1	Flexcam with discovery scope kit.
36	Laptop Computer	1	
37	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
38	Color Printer		ACCESS
39	Projector (Computer)	1	
40	Access to Digital Camera and Video Camera	1	All equipment installed, on carts and/or mounted to walls as needed.

SCIENCE

5TH AND 6TH GRADE

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water and electricity demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.

5	Goggle Sterilization Cabinet	1	
6	Table or desk	1 per student	With flat tops (not slanted).
7	Altimeter	1	
10	Anemometer	1 per 6 students	
11	Aquarium & Accessories	1 per teacher	55 gallon. Aquarium fish net, aquarium thermometer, gravel, live water plants, filter kit, aquarium heater, fish/food/chemicals.
12	Balances	1 per 2 students	Triple-beam.
13	Barometer	2	
14	Calculator	1 per student	1 per teacher.
15	Cloud Chamber	1	
16	Conductivity Apparatus	1	
17	Density Kit	1	Cube, cylinder, rectangular blocks (solids of different shapes but same material).
18	Electrostatic Generator	1	
19	File Cabinet	1	4-drawer. 2 for multiple classes.
20	Heater	1	Immersion.
21	Hot Plate	1 per 3 students	
22	Hydrometer	1	
23	Hygrometer	1	
24	Laboratory Cart	2	
25	Laser Pointer	1	.
26	Lenses	1 each per 2 students	Plain, curved-concave, convex
27	Lamp	1 per 4 students	Flexneck.
28	Light Box plus Power Supply	1 per 3 students	
29	Microscope	1 per 2 students	Compound with light source.
30	Microscope	1 per 2 students	Stereo with light source.

31	Microwave	1	
32	Radiometer	1	
33	Rain Gauge	1	
34	Refracting Telescope	1	
35	Refrigerator	1	Dorm size.
36	Solar System Model	1	

37	Spectroscope	1 per 2 students	
38	Spring Scale	1 per 2 students	Calibrated in Newtons (clear plastic)
39	Stethoscope	1 per 4 students	
40	Stopwatch	1 per 2 students	
41	Stream Table	1 per 4 students	With accessories.
42	Terraria	1	
43	Weather Thermometer	1	(Min/max)
44	Wind Vane	1	
45	Kit	1	Correlated to district curriculum/state frameworks/and national standards (i.e., FOSS, GEMS, Lego-Dacto, SEPUP, etc.)
46	Computer	1 per 4 students	Printer ACCESS/internet ACCESS in each classroom.
47	Microscope	1	Flex video with discovery scope kit.
48	Overhead Projector and Large Wall Screen	1 per teacher	
49	Laptop Computer	1	
50	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
51	Color printer		ACCESS
52	Projector (Computer)	1	
53	TV	1	32" minimum with S video.
54	VCR/DVD	1	
55	Camera	1	Digital and video.
56	Laser Pointer	1	
57	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, voltage, light, sound, force, heart rate, pressure, etc.)

SCIENCE
Secondary (Life Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water and electricity demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.

5	Goggle Sterilization Cabinet	1	
6	Lab Table	1 per student	With fire and chemical resistant top.
7	Acid Cabinet	1	
8	Aquarium & Accessories	1	55 gallon.
9	Binoculars	1 per 2 students	
10	Calculator	1 per student	1 per teacher.
11	Compound Microscopes with Light Source	1 per 2 students	
12	Dissecting Microscopes	1 per 2 students	Stereo with light source.
13	Electronic Balances	1 per 6 students	Recommended sensitivity to 0.1 gram.
14	File Cabinet	2 per teacher	4-drawer.
15	Gooseneck Lamp	8	UV, infrared, incandescent, fluorescent interchangeable bulbs.
16	Hot Plate	1 per 4 students	
17	Incubator	2	
18	Laboratory Cart	2	
19	Microwave	1	
20	Models	1 each	Plant cell, animal cell, human torso, heart, brain, eye, ear, leaf, flower, mitosis, meiosis, skeleton, skin.
21	Refrigerator	1	Dorm size.
22	Ring Stand and Gas Burner	1 per 2 students	Each with large and small rings, clamps, and wire gauze æ both plain and with ceramic center.
23	Stopwatch	1 per 2 students	
24	Terrarium and Animal Habitats	1	Food and supplies needed for care.
25	Timer	1	Digital.
26	Tree Cross-sections	1 per 2 students	Or dendrochronology tree ring dating kit.
27	Triple Beam Balances	1 per 2 students	
28	Kits	1	Correlated to district curriculum/state

			frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
29	Computer	1 set-up per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
30	Microscope	1	Flex video (Flexcam) with discovery scope kit.

31	Overhead Projector and Large Wall Screen	1 per teacher	
32	Laptop Computer	1	
33	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
34	Projector (Computer)	1	
35	TV	1	32" minimum with S video.
36	VCR/DVD	1	
37	Camera	1	Digital and video.
38	Laser Pointer	1	
39	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
40	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, heart rate, pressure, etc.)

SCIENCE
Secondary (Earth Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Goggle Sterilization Cabinet	1	
7	Lab Table	1 per student	With fire and chemical resistant top.
8	Altimeter	1	
9	Anemometer	1	
10	Balance	1 per 6 students	Electronic.
11	Barometer	2	
12	Clinometer, Compass	1 per 2 students	
13	File Cabinet	2 per teacher	4-drawer.
14	Gas Burners	1 per 4 students	
15	Glass Plates	1 per student	
16	Geiger Counter	1	

17	Hygrometer	1	
18	Laboratory Carts	2	
19	Maps	1 each	Retractable wall map set, globes, topographic, county sectional, raised relief, etc.
20	Microwave	1	
21	Models	1 each	Solar system, earth's forces, topography, sun, etc.
22	Psychrometer	1 per 2 students	Student grade sling type.
23	Psychrometer	1	Professional grade.
24	Reflecting Telescope	1	
25	Refracting Telescope	1	
26	Rock Hammer	1 per 4 students	
27	Rock Identification Kit	1 per 2 students	
28	Spectrometer and Assorted Gas Tubes	1 set	
29	Spectroscope	1 per student	Student grade.

30	Stream Table	1 per 4 students	
31	Star Projector	1	
32	Triple Beam Balance and Mass Set	1 per 2 students	
33	UV Light	1	
34	Wave Generator	1	
35	Weather Station	1	
36	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., FOSS, GEMS, SEPUP, etc.)
37	Computer	1 set-up per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
38	Microscope	1	Flex video (Flexcam) with discovery scope kit.
39	Overhead Projector and Large Wall Screen	1 per teacher	
40	Laptop Computer	1	
41	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
42	Projector (Computer)	1	
43	TV	1	32" minimum with S video
44	VCR/DVD	1	
45	Camera	1	Digital and video.
46	Laser Pointer	1	

47	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
48	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, pressure, etc.)

SCIENCE
Secondary (Physical Science)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Acid Storage Cabinet	1	Approved material.
7	Flammable Material Storage Cabinet	1	Approved material.
8	Hazardous Materials Containment Unit	1	Temporary storage until removed by haz/mat unit.
9	Goggle Sterilization Cabinet	1	
10	Safety Shower	1	
11	Lab Table	1 per student	With fire and chemical resistant top.
12	Archimedes' Apparatus	1	
13	Aspirator	1 per 4 students	
14	Barometer	1	Aneroid, mercury, digital.
15	Bunsen Burner	1 per 2 students	With safety hose.
16	Calorimeter	1	
17	Capacitor	1 per 4 students	
18	Charts	1 each	Safety, common procedures, periodic table, Newton's forces, etc.
19	Circuit Board	1 per 2 students	
20	Cloud Chamber	1 per 4 students	
21	Demineralizer Unit	1	
22	Diffraction Grating	1 per 2 students	

23	Distilling Unit	1	
24	Electric Circuit Kits	1	Simple (class size appropriate)
25	Electrolysis Apparatus	1 per 4 students	
26	Electronic Balance	1 per 6 students	
27	Electroplating Apparatus	1	
28	Electroscopes	1 per 4 students	
29	Electrostatic Generator	1	

30	Force Board	1 per 4 students	
31	Force Apparatus	1	
32	Friction Box	1	
33	Galvanometer	1 per 2 students	
34	Genecon	1 per 2 students	
35	Hot Plate	1 per 4 students	
36	Incline Plane	1 per 4 students	
37	Induction Coil	1	
38	Inertia Apparatus	1	
39	Gyroscope	1 per 2 students	
40	Kaleidoscope	1 per 4 students	
41	Laboratory Cart	2	
42	Lamp	1 each	UV, infrared, high-powered lens-illuminating, mercury
43	Laser Kit with Pointer	1 per 6 students	
44	Law of Motion Apparatus	1	
45	Lenses	1 set per 4 students	Plain, curved, biconvex, biconcave, polarized and colored
46	Light Box with Power Supply	1 per 2 students	
47	Linear Expansion Apparatus	1 per 2 students	
48	Micropipet	1 per student	
49	Microwave	1	
50	Models	1 set	Atomic/molecular, structure, orbital.

51	Molecular Motion Detector	1 per 4 students	
52	Multimeters	1 per 2 students	
53	Optical Bench	1 per 2 students	
54	Oscilloscope	1	
55	Osmosis Apparatus	1	
56	Pendulum Apparatus	1 per 2 students	
57	pH Meters	1 per 2 students	
58	Pneumatic Trough	1 per 2 students	
59	Prism	1 per 2 students	
60	Pulleys	1 set per 2 students	Single, double and triple.

61	Radiometer	1	
62	Refrigerator	1	Dorm size.
63	Resistance Board	1 per 4 students	
64	Rheostat	1 per 4 students	
65	Ripple Tank	1	
66	Rockets (Estes) and Glider Planes	1 each per 4 students	
67	Semiconductors	1 per 2 students	
68	Simple Machines	3 of each	
69	Spark Generator	1	
70	Spectroscope	1 per 4 students	
71	Spring Scales	1 set per 2 students	N, g, high and low capacity.
72	Standing Wave Apparatus	1	
73	Stop Watch	1 per 2 students	
74	Strobe Light	1	
75	Tool Box	1	Standard tools (hammer, pliers, screw driver set, wrench set, metal file, etc.)
76	Transformer	1 per 4 students	

77	Triple Beam Balances	1 per 2 students	
78	Vacuum Pump	1 per 2 students	
79	Xylophone/tone Producer	1	
80	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
81	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
82	Microscope	1	Flex video (Flexcam) with discovery scope kit.
83	Overhead Projector and Large Wall Screen	1 per teacher	
84	Laptop Computer	1	
85	Projector (Computer)	1	
86	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
87	TV	1	32" minimum with S video
88	VCR/DVD	1	
89	Camera	1	Digital and video.
90	Laser Pointer	1	
91	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
92	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, sound, pressure, etc.)

SCIENCE
Secondary (Biology)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.
6	Goggle Sterilization Cabinet	1	
7	Safety Shower	1	
8	Lab Table	1 per student	With fire and chemical resistant top.

9	Animal Cages	1 per 2 students	Plastic.
10	Aquarium with Accessories	2	
11	Animal Habitat Units	2	Small.
12	Balances	1 per 6 students	Electronic
13	Balances	1 per 2 students	Triple beam.
14	Binoculars	1 per 2 students	
15	Blood Chemistry Kit	1	
16	Bunsen Burner	1 per 2 students	With safety hose.
17	Centrifuge	1	
18	Conductivity Apparatus	1	
19	Dissection Kit	1 per 2 students	Ruler, scalpel, scissors, forceps, probes/needles.
20	Dissecting Trays	1 per 2 students	
21	Drying Oven	1	
22	Electrophoresis Apparatus	1	
23	File Cabinet	2 per teacher	4-drawer.
24	Hot Plate	1 per 4 students	
25	Human Skeleton	1	Adult size.
26	Incubators	2	
27	Insect Box Magnifier	1 per student	
28	Kymograph Kit	1	
29	Laboratory Cart	2	
30	Lamp	1 per 4	Gooseneck with shade and 25-watt bulb.

		students	
31	Magnifiers	1 per student	
32	Microscope	1 per 2 students	Compound with light.
33	Microscope	1 per 4 students	Stereo dissecting.
34	Models	1 each	Leaf, plant, flower, human anatomy, eye, cell, earthworm, etc.
35	Microtome	1	
36	Microwave	1	
37	Oil Emersion Microscope	3	

38	Osmometer	1	
39	Prepared Slides		Assortment of plants, animals, cell mitosis, etc.
40	Preserved Specimens		Assortment of plants and animals.
41	Refrigerator	1	Dorm size.
42	Sphygmomanometer	1	
43	Spirometer	1	
44	Stethoscope	1 per 4 students	
45	Terrarium and Accessories	2	
46	Thermometers	1 per student	12°F & 12°C
47	Timers	1 per 2 students	
48	Tool Box		Pliers, screw drivers, wrench, hammer, metal file, etc.
49	Water Test Kits	2 per teacher	pH, DO, dissolve solids, turbidity, etc.
50	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
51	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
52	Microscope	1	Flex video (Flexcam) with discovery scope kit.
53	Overhead Projector and Large Wall Screen	1 per teacher	
54	Laptop Computer	1	
55	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
56	Projector (Computer)	1	
57	TV	1	32" minimum with S video
58	VCR/DVD	1	
59	Camera	1	Digital and video.
60	Laser Pointer	1	
61	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
62	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, CO ₂ , sound, heart rate, pressure, etc.)

SCIENCE
Secondary (Physics)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Goggle Sterilization Cabinet	1	
6	Lab Table	1 per student	With fire and chemical resistant top.
7	Barometer	3	Aneroid or digital.
8	Balances	1 per 4 students	Electronic, triple beam, dial-o-gram (0.01 g. sensitivity recommended)
9	Boyle's Law Apparatus	1 per 2 students	Burettes (50 ml)
10	Burner with Safety Hose	1 per 2 students	Bunsen or laboratory.
11	Centrifuge	1	
12	Charles' Law Apparatus	1	
13	Chromatography Apparatus	1	
14	Conductivity Meter	1 per 4 students	
15	Diffraction Gratings or Spectroscope	1 per 2 students	
16	Electrolysis Apparatus	1	Hoffman apparatus.
17	File Cabinet	2 per teacher	4-drawer.
18	Geiger Counter	1	With appropriate radiation sample kit.
19	Spectroscopes	1 per student	Hand held
20	Hot Plate	1 per 4 students	Hot Plate
21	Hydrometer	1 per 4 students	
22	Laboratory Carts	2	
23	Magnetic Stirrers	1 per 4 students	
24	Microwave	1	
25	Micro-scale	1 per student	Micro-well 9-12 well plates, 96 well plates, 1x 12 well strip.

26	Millikan Apparatus	1	
27	Models	1 each	Atomic structure, orbitals, etc.
28	Refrigerator	1	Dorm size.
29	Spectrophotometers		With cuvettes-computer compatible

30	Timer	1 per 2 students	
31	Vacuum Pump	1	
32	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kit, etc.)
33	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
34	Microscope	1	Flex video (Flexcam) with discovery scope kit.
35	Overhead Projector and Large Wall Screen	1 per teacher	
36	Laptop Computer	1	
37	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
38	Projector (Computer)	1	
39	TV	1	32" minimum with S video
40	VCR/DVD	1	
41	Camera	1	Digital and video.
42	Laser Pointer	1	
43	Data Collecting Devices	1 per 4 students	Examples: CBL, CBR, graphing calculators.
44	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, light, CO ₂ , pressure, etc.)

SCIENCE

Secondary (Physics)

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Fire Extinguisher	1	ABC dry chemical.
2	Chemical Splash Goggles	2 class sets	ANSI approved.
3	Demonstration Table	1	With water, electricity and gas demonstration shield.
4	Eye Wash Station	1	Continuous flow faucet type.
5	Fume Hood	1	With front sash and properly vented exhaust.

6	Goggle Sterilization Cabinet	1	
7	Safety Goggles	2 class sets	Impact protection
8	Acceleration Timer	1 per 6 students	
9	Acceleration Apparatus	1	
10	Air Track	1	
11	Air Table	1	
12	Angular Motion Apparatus	1	
13	Archimedes' Apparatus	1	
14	Aspirator	1	
15	Balances	1 per 6 students	0.01 g sensitivity.
16	Inertia Platform/Set Masses 1 to 1000	1	
17	Balances	1 per 2 students	Spring
18	Balances	1 per 2 students	Triple beam.
19	Balances	1 per 4 students	Electronic.
20	Barometer	3	
21	Binoculars	1 per 4 students	
22	Boom Apparatus	1	
23	Boyle's Law Apparatus	1	
24	Bead Assemblies	1 per 4 students	
25	Calorimeter	1 per 4 students	
26	Capacitor	1 per 4 students	
27	Cartesian Diver	1	
28	Centripetal Force Apparatus	1	
29	Charles' Law Apparatus	1	
30	Cloud Chamber	1 per 6	

		students	
31	Compasses Directional	1 per 2 students	
32	Coulomb's Law Apparatus	1	
33	Circuit Board	1 per 2 students	

34	Dew Point Apparatus	1 per 6 students	
35	Diffraction Grating	1 per student	
36	Dynamic Energy Apparatus	1	
37	Dynamic Carts and Track	1 per 4 students	
38	Electric Circuit Kit	1 per 4 students	Simple.
39	Electroplating Apparatus	1	
40	Electroscopes	1 per 4 students	
41	Electrostatic Generator	1	
42	File Cabinets	2 per teacher	4-drawer.
43	Force Board	1 per 4 students	
44	Force Apparatus	1	
45	Friction Box	1	
46	Function Generator	1	
47	Galvanometer	1 per 2 students	
48	Gas Burner	1 per 2 students	
49	Genecon	1 per 2 students	
50	Gyroscope	1 per 2 students	
51	Gyroscope	1	Large (bicycle wheel shaft)
52	Hall's Carriage	1	
53	Helmholtz Coil	1	
54	Holography Kit	1	
55	Hooke's Law Apparatus	1 per 2 students	
56	Hot Plate	1 per 4 students	
57	Huffman's Electrolysis Apparatus	1	
58	Incline Plane	1 per 4 students	
59	Induction Coil	1	
60	Inertia Apparatus	1	
61	Kaleidoscopes	1 per 4 students	
62	Kinetic Stool	1	

63	Laboratory Carts	2	
64	Lamps	1 of each	UV, infrared, high-powered lens-illuminating, mercury
65	Laser Kit	2	
66	Law of Motion Apparatus	1	
67	Light Box	1 per 2 students	With power supply.
68	Linear Expansion Apparatus	1 per 2 students	
69	Magdeburg Hemispheres	1	
70	Manometers	1 per 2 students	
71	Michelson Interferometer	1	
72	Microwave	1	
73	Millikan Oil Drop Apparatus	1	
74	Molecular Motion Detector	1	
75	Multimeter	1 per 2 students	
76	Optical Bench	1 per 2 students	
77	Oscilloscope	3	
78	Osmosis Apparatus	1	
79	Pendulum Apparatus	1 per 4 students	
80	Photoelectric Effect Apparatus	1	
81	Photogate	1	
82	Planck's Constant Apparatus	1	
83	Potentiometer	1 per 4 students	
84	Prism	1 per 2 students	
85	Pulleys	1 set per 4 students	Sets of single, double and triple.
86	Radiometer	1	
87	Resistance Board	1 per 4 students	
88	Rheostat	1 per 4 students	
89	Rotation Disk Platform	1	
90	Scaler Laboratory	1	
91	Simple Machines	3 of each	
92	Solar Cell Kit	1 per 4 students	

93	Sonic Ranger	1	
94	Sonometer	1	
95	Spark Generator	1	
96	Spectroscope	1 per 4 students	

97	Spectrum Tube	6	
98	Spinthariscopes	1 per 4 students	
99	Spring Scales	1 per 2 students	N, g, high and low capacity
100	Standing Wave Apparatus	1	
101	Stop Watch	1 per 2 students	
102	Strobe Light	1	
103	Superconductivity Apparatus	1	
104	Switches	1 per 2 students	
105	Tesla Coil		
106	Thermometers	1 per student	°C and °F.
107	Thermostat	1	
108	Tool Box	1	Hammer, screwdrivers, pliers, metal files, c-clamps, etc.
109	Trajectory Apparatus	1	
110	Transformer	1 per 4 students	
111	Triple Beam Balances	1 per 2 students	
112	Tuning Forks	1 set per 4 students	
113	Vacuum Pump	1 per 2 students	
114	Vernier Calipers	1 per 2 students	
115	Wave Spring	1 per 2 students	
116	Whetstone Bridge	1	
117	Circuit Board	1 per 2 students	
118	Xylophone/Tone Producer	1	
119	Kits	1	Correlated to district curriculum/state frameworks/and national standards (i.e., SEPUP, Neo Science, Lab Aids, Boreal Science Kits, etc.)

120	Computer	1 per 4 students	Printer ACCESS/internet ACCESS. ACCESS as needed to a computer lab with internet ACCESS for all students.
121	Microscope	1	Flex video (Flexcam) with discovery scope kit.
122	Overhead Projector and Large Wall Screen	1 per teacher	
123	Laptop Computer	1	
124	Interactive White Board	1	72" with stand or wall-mounted (Smart Board or Hitachi Star Board)
125	Projector (Computer)	1	
126	TV	1	32" minimum with S video
127	VCR/DVD		

128	Camera	1	Digital and video.
129	Laser Pointer	1	
130	Data Collecting Device	1 per 4 students	Example: CBL, CBR, graphing calculators.
131	Probes and Computer Graphing Software	1 per 4 students	Such as Vernier or Pasco (temperature, pH, motion, voltage, light, sound, force, pressure, etc.)

HEALTH SERVICES

K-12

Item Number	Item Name	# per Class-room	Specifications & Descriptions
1	Goose Neck Lamp	1	
2	Emergency Generator	1	
3	Liquid Soap Dish	1	Wall mount.
4	Paper Towel Dispenser	1	Wall mount.
5	Cabinet, Wall to Baseboard	1	Lockable, minimum depth 24", washable, counter top (meds/supplies).
6	Closet, Floor to Ceiling	1	Lockable, adjustable shelves (large equipment).
7	Refrigerator	1	15 cu. ft. with icemaker, thermometer, lockable.
8	HVAC Control	1	
9	Eye Wash Attachment	1 per sink	Continuous flow, faucet type.
10	Desk	1	Lockable doors.
11	Desk Chair	1	
12	Telephone	1	With private line.
13	Computer	1	Internet Access
14	Printer	1	
15	Fax Machine	1	
16	File Cabinet	2	Lockable, four-drawer, fireproof.

17	Cot	1 per 300 students	
18	Privacy Screens	1 per 300 students	Folding or draperies.
19	Audiometer	1 per school	
20	Vision Screener	1 per school	
21	Scoliometer	1 per school	
22	Stadiometer	1 per school	
23	Scales	1 per school	
24	Carpenter's Triangle	1 per school	
25	Step Stool	1 per school	
26	Scales	1 per school	Calibration weight.
27	Otoscope	1 per school	Rechargeable.
28	Ophthalmoscope	1 per school	Rechargeable.
29	Clock	1	With second hand.
30	Blanket	2 per cot	Thermal cotton.
31	Pillow	1 per cot	Plastic covered.
32	Trash Can	1	Pedal control.
33	Container	1	For sharps.

34	Lamp, Magnifying	1	
35	TB Light	1	Ultra-violet.
36	Peak Flow Meter	1	
37	Portable Crisis Kit	1	
38	Sphygmomanoter	1	
39	Blood Pressure Cuffs	4 sizes per office	One each: child, adult, large, thigh.
40	Stethoscope	1	Dual head.
41	Portable Stretcher	1	Collapsible.
42	Percussion Hammer	1	
43	Thermometer	1	Digital, oral
44	Glucometer	1	
45	Nebulizer	1	
46	Suction Machine	1	
47	Chairs	2	For waiting room.

48	Wheelchair	1 per school	
49	Stool	1	Rolling.
50	Pen Light	1	